



101152086

To the Honorable Commissioner of Patents

Original documents or copy thereof.

1. Name of conveying party(ies):

WILLIAM H. RADCLIFFE

BRIAN W. HEDRICK

Additional name(s) of conveying party(ies) attached? Yes XXX No

2. Name and address of receiving party(ies):

Name: **UOP LLC**

Internal address:

Street Address: **25 EAST ALGONQUIN ROAD**
P.O. BOX 5017

City: **DES PLAINES** State: **ILLINOIS** Zip: **60017-5017**

Additional name(s) & address(es) attached? Yes XXX No

3. Nature of conveyance:

XXX Assignment Merger
Security Agreement Change of Name
Other

Execution Date: **11/21/97, 12/4/97**

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/985,991

B. Patent No.(s)

Additional numbers attached? Yes XXX No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **UOP LLC**
Internal address: **ATTN: THOMAS K. MCBRIDE**

Street Address: **25 EAST ALGONQUIN ROAD**
P.O. BOX 5017
City: **DES PLAINES** State: **ILLINOIS** Zip: **60017-5017**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41) **\$40.00**
Enclosed
XXX Authorized to be charged to deposit account

8. Deposit account number:
21-0600

(Attach duplicate copy of this page if paying by deposit account)

09/22/1999 DNGUYEN 00000147 210600 08985991

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

MICHAEL A. MOORE

Name of Person Signing

Michael A. Moore

Signature

16 SEPT. 99

Date

Total number of pages including cover sheet, attachments, and documents: **4**

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, WILLIAM H. RADCLIFFE, a citizen of the UNITED STATES OF AMERICA, residing in the City of PROSPECT HEIGHTS in the County of COOK and State of ILLINOIS; and BRIAN W. HEDRICK, a citizen of the UNITED STATES OF AMERICA, residing in the City of ROLLING MEADOWS, in the County of COOK and State of ILLINOIS; and hereinafter referred to as inventors have invented certain new and useful improvements entitled

HORIZONTAL FCC FEED INJECTION AND DISTRIBUTOR

for which inventors are about to file a United States provisional patent application and/or an application for Letters Patent of the United States, bearing docket number JGT96-23; and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application(s), the invention(s) disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged, said inventors do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said provisional application and/or application for Letters Patent, and the invention(s) covered thereby, and the resultant patent or patents thereon, or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, including all foreign rights thereunder, all such inventions as fully set forth and described in the United States provisional patent application and/or the application for Letters Patent of the United States executed by inventors on the date specified below. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventors have set their signatures hereunto on the date specified below.

William H Radcliffe 11/21/97
Signature of: WILLIAM H. RADCLIFFE, Date

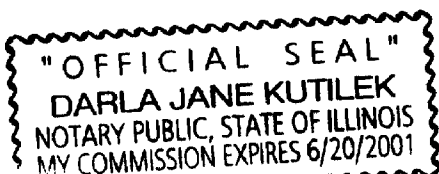
11/21/97
Date Executed
Application for Letters Patent

State of ILLINOIS

County of COOK

Before me, on this day, 11/21/97, personally appeared WILLIAM H. RADCLIFFE, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL



Darla Jane Kutilek
Notary Public

Page 1 of 2

Revised 10/21/97

PATENT **985 991**
REEL: 010250 FRAME: 0262

Brian W. Hedrick
Signature of: BRIAN W. HEDRICK

12/4/97
Date

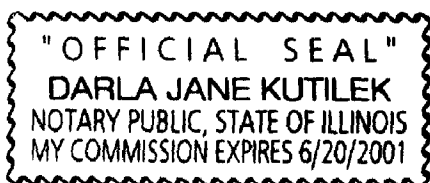
12/4/97
Date Executed
Application for Letters Patent

State of ILLINOIS

County of COOK

Before me, on this day, 12/4/97, personally appeared BRIAN W. HEDRICK,
to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and
deed for the purposes therein expressed.

SEAL



Darla Jane Kutilek
Notary Public